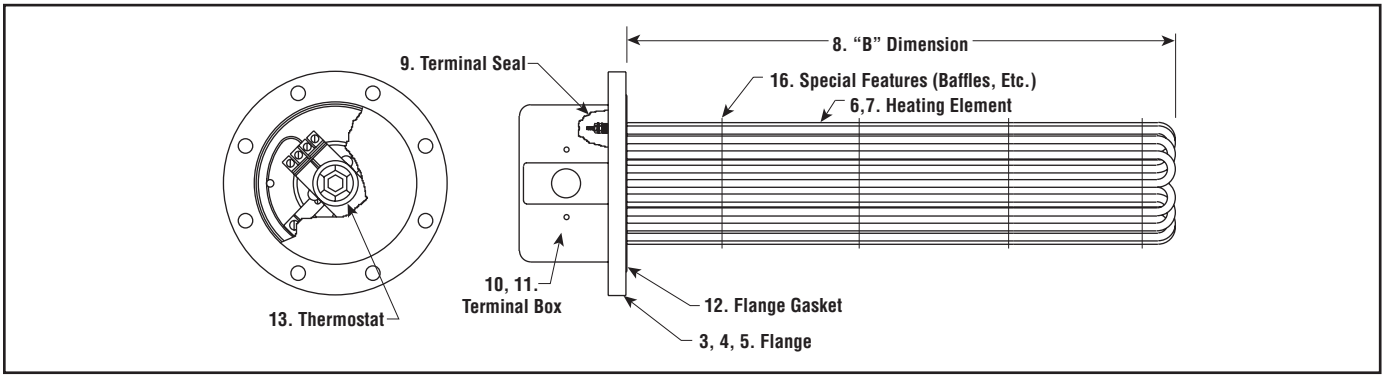
Chromalox®

Specification Data Sheet Flanged Immersion Heaters

Form PD310
Customer Name: _____ Reference No.: _____ Date: _____



Note — Drawing Is For Illustration Purposes Only. Flange size, number of elements, terminal box configuration, etc. will vary according to options selected.

Operating Conditions

1. APPLICATION *(Describe in Detail):*

2. MATERIAL HEATED *(Specify):*

3. OPERATING TEMPERATURE: °F

4. OPERATING PRESSURE: psig.

5. ☐ Indoor ☐ Outdoor

6. HAZARDOUS AREA ENVIRONMENT:
Class Div. Group

7. AMBIENT TEMPERATURE: °F

Heater Specifications (Check All That Apply)

1. RATING: Volts Phase Kilowatts

2. NUMBER OF ELECTRICAL CIRCUITS: ☐ Standard
☐ Other: No Circuits kW/Circuit

3. FLANGE SIZE (In.)/NUMBER OF HEATING ELEMENTS:
☐ 3"/3 ☐ 5"/6 ☐ 6"/12 ☐ 8"/18 ☐ 10"/27
☐ 12"/36 ☐ 14"/45 ☐ 16"/72 ☐ 18"/108
☐ Other (Specify)

4. FLANGE MATERIAL: ☐ Carbon Steel ☐ Brass
☐ 304 Stainless ☐ 316 Stainless Steel
☐ Other (Specify)

5. FLANGE RATING: ☐ Class 150 ☐ Class 300
☐ Other (Specify)

6. HEATING ELEMENT SHEATH MATERIAL:
☐ Steel ☐ Copper ☐ 304 Stainless Steel
☐ 316 Stainless Steel ☐ INCOLOY®
☐ Other (Specify)

7. HEATING ELEMENT WATT DENSITY:
☐ 6.5 W/In² ☐ 15 W/In² ☐ 23 W/In²
☐ 45 W/In² ☐ Other (Specify)

8. HEATING ELEMENT IMMERSION LENGTH:
("B") Dimension Inches:

9. TERMINAL SEALS: ☐ None ☐ Silicone Fluid (500°F)
☐ Silicone Resin (450°F) ☐ RTV (450°F) ☐ Epoxy (250°F)
☐ Hermetic (Maximum 1000°F Sheath Temperature)
☐ Other (Specify)

10. TERMINAL BOX CONSTRUCTION:
☐ General Purpose ☐ Moisture Resistant
☐ Explosion Resistant/Moisture Resistant

11. TERMINAL BOX STANDOFFS: ☐ None
☐ 4" ☐ 6" ☐ Other (Specify)

12. FLANGE GASKET: ☐ Standard ☐ Spiral Wound
☐ Other (Specify)

13. INTEGRAL THERMOSTAT: ☐ None
☐ 0-100°F ☐ 60-250°F ☐ 200-550°F

14. A.S.M.E. REQUIRED: ☐ Yes or ☐ No If Yes, Specify:
☐ Design Only ☐ Design and Certify in Accordance With ☐ Section I ☐ Section IV ☐ Section VIII

15. ELECTRICAL CODES: ☐ None
☐ U.L. Listed ☐ C.S.A. Certified
☐ Other (Specify)

16. OTHER SPECIAL FEATURES:
☐ Overheat T/C Weld to Sheath, Type ☐ J or ☐ K
☐ Cross-Flow Baffles
☐ Passivation of Wetted Parts (Stainless Steel Only)
☐ Other (Specify)

17. MODEL NUMBER: